

WHAT IS CLAIMED IS:

1. A unlocking device for a lever handle door lock, comprising:
 - an inner lever mechanism having an inner lever;
 - an outer lever mechanism having an outer lever corresponding to the
 - 5 inner lever;
 - a latch bolt unit including a first cam, a second cam and a dead bolt coupled to the first cam, and turning one of the first cam and the second cam can retract the dead bolt; and
 - a latch bolt actuating unit provided with a first actuating rod, a second
 - 10 actuating rod and an actuating stick, the first actuating rod is aligned with the second actuating rod, and thus the actuating stick passes through the first actuating rod and the second actuating rod when assembled;
 - the first actuating rod having a first end connected to the inner lever mechanism, and a second end connected to the first cam of the latch bolt
 - 15 unit for driving it, the first end provided with a guiding groove while the second end providing with a first engaging portion;
 - the second actuating rod having a first end provided with a control cylinder to connect to the outer lever mechanism and the actuating stick, and a second end connected to the second cam of the latch bolt unit for driving it,
 - 20 the first end further provided with a limiting plate while the second end

providing with a second engaging portion adapted to engage/disengage with/from the first engaging portion of the first actuating rod;

the actuating stick having a guiding rod being confined within the guiding groove of the first actuating rod to constitute a combination of the first actuating rod and the actuating stick, and at least one lug abutted on the control cylinder of the second actuating rod to allow a longitudinal movement between the combination of the first actuating rod and the actuating stick and the second actuating rod, the longitudinal movement results in disengagement of the first actuating ;

wherein when the lever handle door lock is situated in a locking state, the first engaging portion of the first actuating rod is engaged with the second engaging portion of the second actuating rod; the outer lever of the outer lever mechanism is not allowed to turn; and the inner lever of the inner lever mechanism is allowed to turn the first actuating rod and the second actuating rod so that the lever handle door lock is unlocked; and

wherein when the lever handle door lock is situated in an unlocking state, the first engaging portion of the first actuating rod is disengaged and separated from the second engaging portion of the second actuating rod; the inner lever of the inner lever mechanism is able to turn the first actuating rod; and the outer lever of the outer lever mechanism is not allowed to turn the

first actuating rod but to turn the second actuating rod so that the outer lever can avoid turning the first actuating rod by accident.

2. The unlocking device for the lever handle door lock as defined in Claim 1, wherein the first engaging portion of the first actuating rod and the
5 second engaging portion of the second engaging rod consists of an engaging protrusion and an engaging groove.

3. The unlocking device for the lever handle door lock as defined in Claim 1, wherein the inner lever mechanism further including a pressing plate adapted to combine with a connecting mechanism for actuating an
10 auxiliary lock.

4. The unlocking device for the lever handle door lock as defined in Claim 3, wherein the connecting mechanism includes a connecting plate having a first end connecting with the auxiliary lock, and a second end connecting with the inner lever of the inner lever mechanism via the
15 pressing plate.

5. The unlocking device for the lever handle door lock as defined in Claim 4, wherein the auxiliary lock includes an actuating cam and an actuating stick extended therethrough, the actuating cam is driven by the connecting plate of the connecting mechanism.

20 6. The unlocking device for the lever handle door lock as defined in

Claim 1, wherein the actuating stick includes a positioning bar used to prevent releasing the limiting plate.

7. The unlocking device for the lever handle door lock as defined in Claim 1, wherein the latch bolt actuating unit further includes a reinforcing
5 plate attached to the limiting plate.